

- 14 -

CLAIMS

1. A cooking device comprising a cooking chamber (1) and a lighting unit (21, 39) for illuminating said cooking chamber (1), which has at least one reflector (39) comprising at least one first reflector surface (40, 41) which reflects the light from a light source (21) of said lighting unit into said cooking chamber (1) as diffuse scattered light (D), characterised in that said reflector (39) comprises at least one second transverse reflector surface (42, 43, 44) arranged transversely to said first reflector surface (40, 41) by which means the light of said light source (21) is reflected into said cooking chamber (1) in a focussed manner.
2. The cooking device according to claim 1, characterised in that said transverse reflector surface (42, 43, 44) reflects the light into said cooking chamber (1) as a light cone (K).
3. The cooking device according to claim 1, characterised in that said transverse reflector surface (42, 43, 44) reflects the light into said cooking chamber (1) in an almost parallel beam profile.
4. The cooking device according to any one of the preceding claims, characterised in that said transverse reflector surface (42, 43, 44) is constructed as flat or arched.
5. The cooking device according to any one of the preceding claims, characterised in that one of said transverse reflector surfaces (44) deflects the light

- 15 -

of said light source (21) in the direction of the other transverse reflector surfaces (42, 43).

6. The cooking device according to any one of the preceding claims, characterised in that said first reflector surface (40, 41) is constructed as a curved groove shape.
7. The cooking device according to any one of the preceding claims, characterised in that said first reflector surface (40, 41) delimits a light guiding compartment (49).
8. The cooking device according to claim 7, characterised in that said transverse reflector surface (42, 43, 44) is arranged in said light guiding compartment (49).
9. The cooking device according to any one of claims 6 to 8, characterised in that front ends of said reflector surface (40, 41) constructed as a curved groove shape are closed by transverse reflector surfaces (43, 44).
10. The cooking device according to any one of the preceding claims, characterised in that said first and/or second reflector surfaces (40, 41, 42, 43, 44) are constructed in one piece with said reflector (39).
11. The cooking device according to any one of the preceding claims, characterised in that a transition (48) between said first reflector surface (40, 41) and said second transverse reflector surface (42, 43, 44) is rounded.
12. The cooking device according to any one of the preceding claims, characterised in that a surface

- 16 -

structure at least of said second transverse reflector surface (42, 43, 44) is roughened.

13. The cooking device according to any one of the preceding claims, characterised in that said reflector (39) is arranged in a cooking device door (9) for closing said cooking chamber (1).
14. The cooking device according to any one of claims 7 to 13, characterised in that said light guiding compartment (49) of said reflector (39) is transparent to said cooking chamber (1).
15. The cooking device according to any one of claims 7 to 14, characterised in that a light channel (59) which is opaque towards the outside is formed in said reflector (39).
16. The cooking device according to any one of the preceding claims, characterised in that said light source (21) is arranged outside said cooking device door (9) and emits light in the direction of said reflector (39).
17. The cooking device according to any one of the preceding claims, characterised in that said light guiding compartment (49) of said reflector (39) is closed on the interior side of the door.
18. The cooking device according to any one of the preceding claims, characterised in that said reflector (39) together with a door inner pane (29) facing said cooking chamber (1) closes said light guiding compartment (49).

- 17 -

19. The cooking device according to any one of claims 13 to 18, characterised in that at least one mounting section (46) for affixing said reflector inside said cooking device door (9) is formed on said reflector (39).
20. The cooking device according to any one of claims 13 to 19, characterised in that at least one retaining attachment (47) is constructed in said cooking device door (9) for retaining an intermediate pane.
21. The cooking device according to any one of claims 7 to 20, characterised in that said transverse reflector surfaces (42, 43) arranged in said light-guiding compartment (49) of said reflector (39) are arranged offset with respect to one another.